

STN Columbus

* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
 (ROSPATENT) added to list of core patent offices covered
 NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
 data from INPADOC
 NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
 NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
 NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
 NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
 NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
 NEWS 10 MAR 22 KOREAPAT now updated monthly; patent information enhanced
 NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
 NEWS 12 MAR 22 PATDPASPC - New patent database available
 NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
 NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
 fields
 NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
 NEWS 16 APR 18 New CAS Information Use Policies available online

 NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
 MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 08:30:29 ON 19 APR 2005

=> fil ca; e us-20050069798/pn

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CA' ENTERED AT 08:30:44 ON 19 APR 2005

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FILE COVERS 1907 - 14 Apr 2005 VOL 142 ISS 17
FILE LAST UPDATED: 14 Apr 2005 (20050414/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

E1	1	US2005069789/PN
E2	1	US2005069796/PN
E3	0 -->	US2005069798/PN
E4	1	US2005069808/PN
E5	1	US2005069815/PN
E6	1	US2005069816/PN
E7	3	US2005069823/PN
E8	2	US2005069826/PN
E9	1	US2005069827/PN
E10	3	US2005069828/PN
E11	2	US2005069836/PN
E12	1	US2005069861/PN

=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.43	0.64

FILE 'STNGUIDE' ENTERED AT 08:31:02 ON 19 APR 2005
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AND TECHNOLOGY CORPORATION, AND FACHINFORMATIONSZENTRUM KARLSRUHE

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Apr 15, 2005 (20050415/UP).

=> fil reg; e 86-74-8

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.24	0.88

FILE 'REGISTRY' ENTERED AT 08:33:13 ON 19 APR 2005
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 18 APR 2005 HIGHEST RN 848724-42-5
DICTIONARY FILE UPDATES: 18 APR 2005 HIGHEST RN 848724-42-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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E2      1      86-73-7/RN
E3      1 --> 86-74-8/RN
E4      1      86-75-9/RN
E5      1      86-76-0/RN
E6      1      86-77-1/RN
E7      1      86-78-2/RN
E8      1      86-79-3/RN
E9      1      86-80-6/RN
E10     1      86-81-7/RN
E11     1      86-82-8/RN
E12     1      86-83-9/RN
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=> s.e3; d.rsd
L1      1 86-74-8/RN
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L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C4N-C6-C6	NC4-C6-C6	5-6-6	C12N	1839.22.20	1

```
=> e 86-73-7
E1      1      86-71-5/RN
E2      1      86-72-6/RN
E3      1 --> 86-73-7/RN
E4      1      86-74-8/RN
E5      1      86-75-9/RN
E6      1      86-76-0/RN
E7      1      86-77-1/RN
E8      1      86-78-2/RN
E9      1      86-79-3/RN
```

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E10 1 86-80-6/RN
E11 1 86-81-7/RN
E12 1 86-82-8/RN

=> s e3; d rsd

L2 1 86-73-7/RN

L2 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2005 ACS on STN

Ring System Data

Elemental Analysis	Elemental Sequence	Size of the Rings	Ring System Formula	Ring Identifier	RID Occurrence
EA	ES	SZ	RF	RID	Count
C5-C6-C6	C5-C6-C6	5-6-6	C13	1839.6.36	1

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7946471 2/RID.CNT

44853 1839.22/RID

L3 3603 2 1839.22/RID

(2/RID.CNT (T) 1839.22/RID)

=> s 2 1839.6/rid

7946471 2/RID.CNT

93511 1839.6/RID

L4 5376 2 1839.6/RID

(2/RID.CNT (T) 1839.6/RID)

=> s >=2 1839.22/rid

10447424 RID.CNT >= 2

44853 1839.22/RID

L5 4411 >=2 1839.22/RID

(RID.CNT >= 2 (T) 1839.22/RID)

=> s >=2 1839.6/rid

10447424 RID.CNT >= 2

93511 1839.6/RID

L6 6677 >=2 1839.6/RID

(RID.CNT >= 2 (T) 1839.6/RID)

=> s 15 and 16

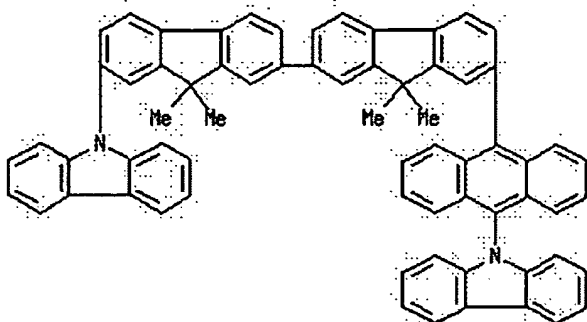
L7 37 L5 AND L6

=> d scan

L7 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

IN 9H-Carbazole, 9-[7'-[10-(9H-carbazol-9-yl)-9-anthracenyl]-9,9,9',9'-tetramethyl[2,2'-bi-9H-fluoren]-7-yl]- (9CI)

MF C68 H48 N2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L7 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN Poly[9,9-bis[[3,5-bis[4-(9H-carbazol-9-yl)butoxy]phenyl]methyl]-9',9'-
 dioctyl[2,2'-bi-9H-fluorene]-7,7'-diyl] (9CI)
 MF (C120 H120 N4 O4)n
 CI PMS

RELATED POLYMERS AVAILABLE WITH POLYLINK

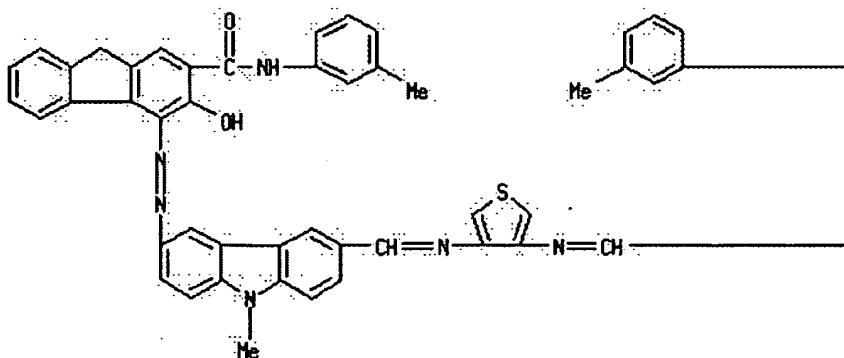
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

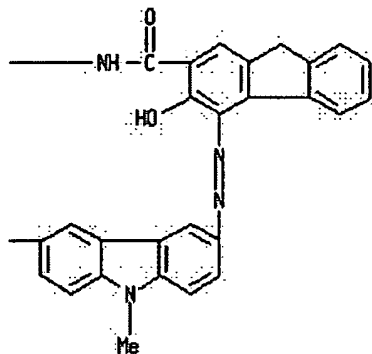
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L7 37 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9H-Fluorene-2-carboxamide, 4,4'-[3,4-thiophenediylbis[nitrilomethylidyne(9-
 methyl-9H-carbazole-6,3-diyl)azo]]bis[3-hydroxy-N-(3-methylphenyl)- (9CI)
 MF C74 H54 N10 O4 S

PAGE 1-A





PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)end

=> d his

(FILE 'HOME' ENTERED AT 08:30:29 ON 19 APR 2005)

FILE 'CA' ENTERED AT 08:30:44 ON 19 APR 2005
E US-20050069798/PN

FILE 'STNGUIDE' ENTERED AT 08:31:02 ON 19 APR 2005

FILE 'REGISTRY' ENTERED AT 08:33:13 ON 19 APR 2005
E 86-74-8

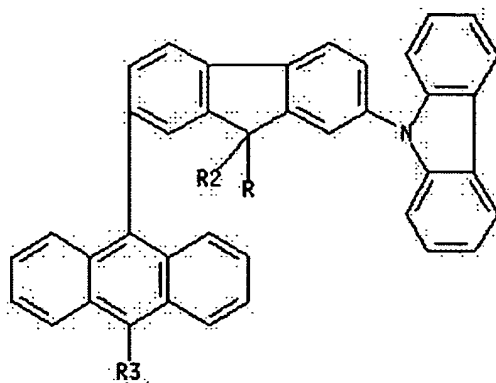
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E 86-73-7
L2 1 S E3
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L4 5376 S 2 1839.6/RID
L5 4411 S >=2 1839.22/RID
L6 6677 S >=2 1839.6/RID
L7 37 S L5 AND L6

=> s 17 not pms/ci
1060956 PMS/CI
L8 34 L7 NOT PMS/CI

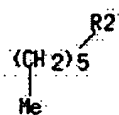
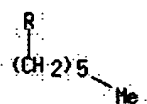
=> d scan

L8 34 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
IN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dihexyl-9H-fluorene-7,2-diyl)]bis- (9CI)
MF C88 H88 N2

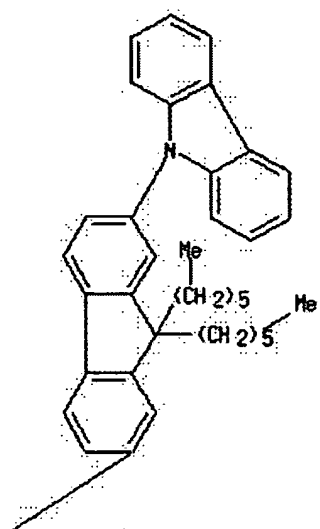
PAGE 1-A



PAGE 2-A



PAGE 3-A



R3

PAGE 4-A

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

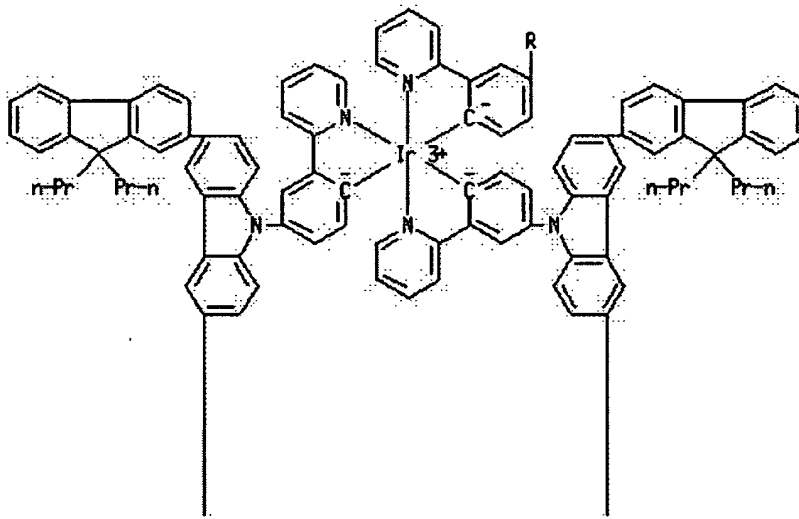
L8 34 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN

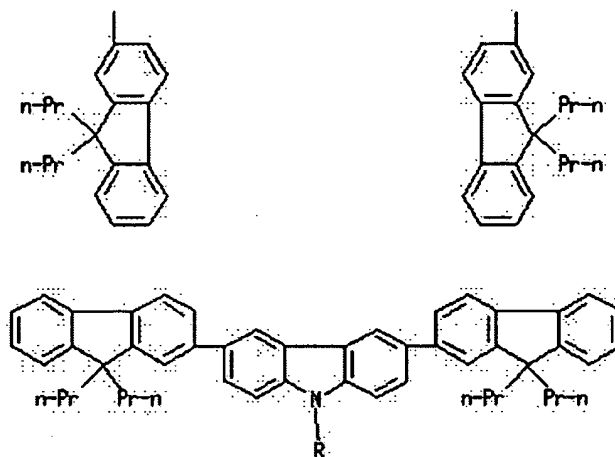
IN Iridium, tris[4-[3,6-bis(9,9-dipropyl-9H-fluoren-2-yl)-9H-carbazol-9-yl]-2-(2-pyridinyl-κN)phenyl-κC]-, (OC-6-22)- (9CI)

MF C183 H165 Ir N6

CI	CCS
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3	3
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6	6
7	7
8	8
9	9
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PAGE 1-A

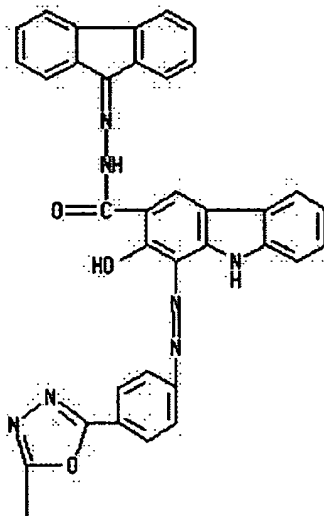


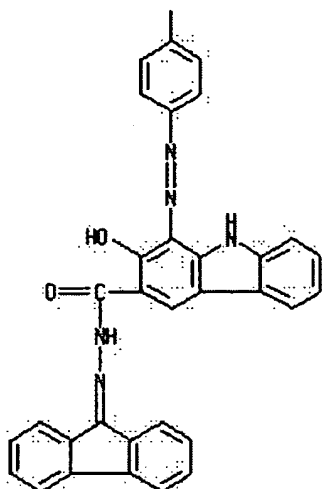


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

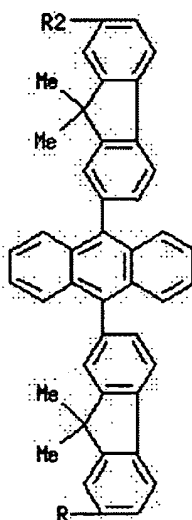
L8 34 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9H-Carbazole-3-carboxylic acid, 1,1'-[1,3,4-oxadiazole-2,5-diylbis(4,1-phenyleneazo)]bis[2-hydroxy-, bis(9H-fluoren-9-ylidenehydrazide) (9CI)
 MF C66 H40 N12 O5

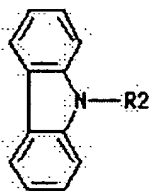
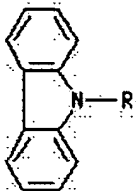




HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1).

L8 34 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dimethyl-9H-fluorene-7,2-diyl)]bis- (9CI)
 MF C68 H48 N2

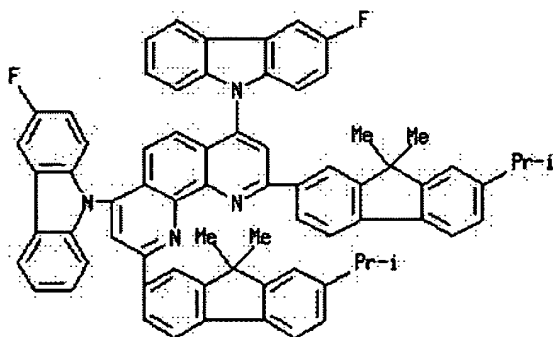




PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1) .

L8 34 ANSWERS REGISTRY COPYRIGHT 2005 ACS on STN
 IN 1,10-Phenanthroline, 2,9-bis[9,9-dimethyl-7-(1-methylethyl)-9H-fluoren-2-yl]-4,7-bis(3-fluoro-9H-carbazol-9-yl)- (9CI)
 MF C72 H56 F2 N4



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1)end

=> d his

(FILE 'HOME' ENTERED AT 08:30:29 ON 19 APR 2005)

FILE 'CA' ENTERED AT 08:30:44 ON 19 APR 2005
 E US-20050069798/PN

FILE 'STNGUIDE' ENTERED AT 08:31:02 ON 19 APR 2005

FILE 'REGISTRY' ENTERED AT 08:33:13 ON 19 APR 2005

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          E 86-74-8
L1        1 S E3
          E 86-73-7
L2        1 S E3
L3        3603 S 2 1839.22/RID
L4        5376 S 2 1839.6/RID
L5        4411 S >=2 1839.22/RID
L6        6677 S >=2 1839.6/RID
L7        37 S L5 AND L6
L8        34 S L7 NOT PMS/CI

```

=> fil stnguide

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	30.66	31.54

FILE 'STNGUIDE' ENTERED AT 08:42:34 ON 19 APR 2005
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 LAST RELOADED: Apr 15, 2005 (20050415/UP).

=> fil reg; s 18 6-/n

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.24	31.78

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STRUCTURE FILE UPDATES: 18 APR 2005 HIGHEST RN 848724-42-5
 DICTIONARY FILE UPDATES: 18 APR 2005 HIGHEST RN 848724-42-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
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```

*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****

```

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

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MISSING OPERATOR

=> s 18 6-20/n

MISSING OPERATOR

=> d his

(FILE 'HOME' ENTERED AT 08:30:29 ON 19 APR 2005)

FILE 'CA' ENTERED AT 08:30:44 ON 19 APR 2005

E US-20050069798/PN

FILE 'STNGUIDE' ENTERED AT 08:31:02 ON 19 APR 2005

FILE 'REGISTRY' ENTERED AT 08:33:13 ON 19 APR 2005

E 86-74-8

L1 1 S E3

E 86-73-7

L2 1 S E3

L3 3603 S 2 1839.22/RID

L4 5376 S 2 1839.6/RID

L5 4411 S >=2 1839.22/RID

L6 6677 S >=2 1839.6/RID

L7 37 S L5 AND L6

L8 34 S L7 NOT PMS/CI

FILE 'STNGUIDE' ENTERED AT 08:42:34 ON 19 APR 2005

FILE 'REGISTRY' ENTERED AT 08:44:46 ON 19 APR 2005

=> s 13 and 14 not pms/ci

1060956 PMS/CI

L9 31 L3 AND L4 NOT PMS/CI

=> fil ca; s 18

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

5.46

37.24

FILE 'CA' ENTERED AT 08:46:04 ON 19 APR 2005

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FILE COVERS 1907 - 14 Apr 2005 VOL 142 ISS 17

FILE LAST UPDATED: 14 Apr 2005 (20050414/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L10 18 L8

=> d hitstr 1-18

L10 ANSWER 1 OF 18 CA COPYRIGHT 2005 ACS on STN

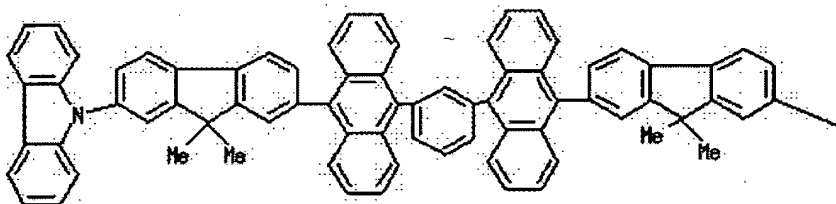
IT 817642-23-2P

RL: DEV (Device component use); IMF (Industrial manufacture); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (anthracene compd., EL or hole-injection and -transport layer; org. EL devices with improved durability using anthracene compds.)

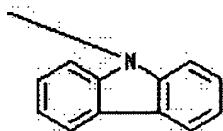
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CN 9H-Carbazole, 9,9'-[1,3-phenylenebis[10,9-anthracenediyl(9,9-dimethyl-9H-fluorene-7,2-diyl)]]bis- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 1-B



L10 ANSWER 2 OF 18 CA COPYRIGHT 2005 ACS on STN

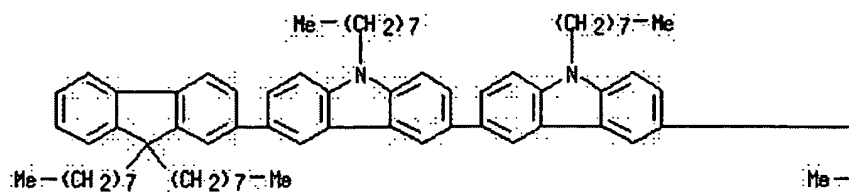
IT 746651-60-5P 746651-61-6P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses) (oligomeric or polymeric carbazole compds. and luminescent compns. contg. them and electroluminescent devices using them)

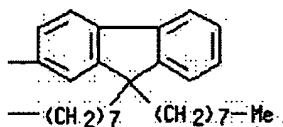
RN 746651-60-5 CA

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PAGE 1-A



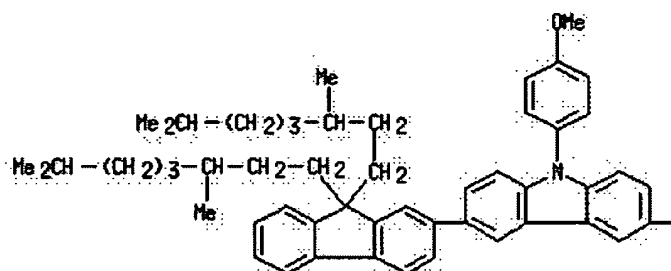
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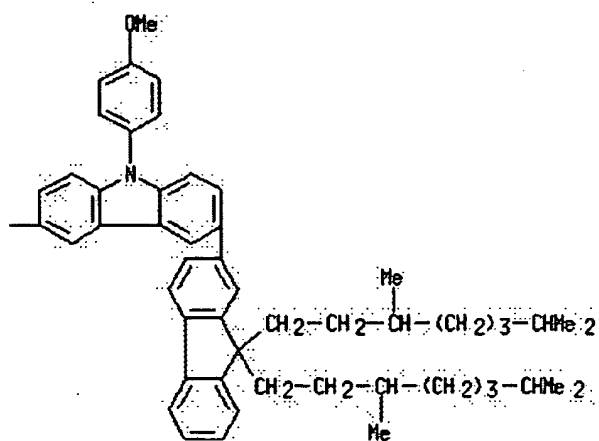
RN 746651-61-6 CA

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9,9'-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

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PAGE 1-B



L10 ANSWER 3 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 746651-60-5P 746651-61-6P

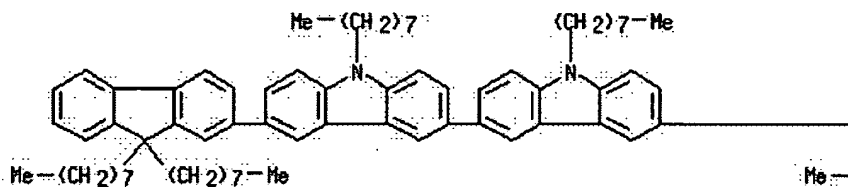
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(oligomeric or polymeric carbazole compds. and luminescent compns. contg. them and electroluminescent devices using them)

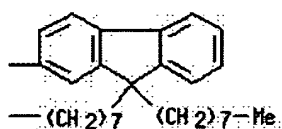
RN 746651-60-5 CA

CN 3,3'-Bi-9H-carbazole, 6,6'-bis(9,9-dioctyl-9H-fluoren-2-yl)-9,9'-dioctyl-(9CI) (CA INDEX NAME)

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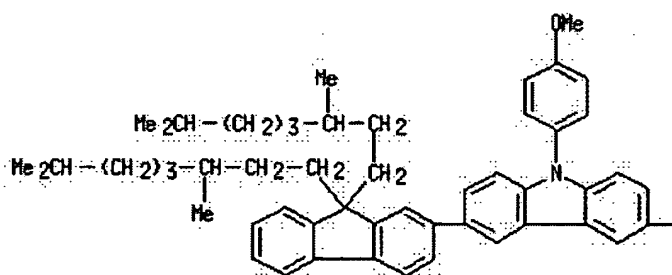
PAGE 1-B

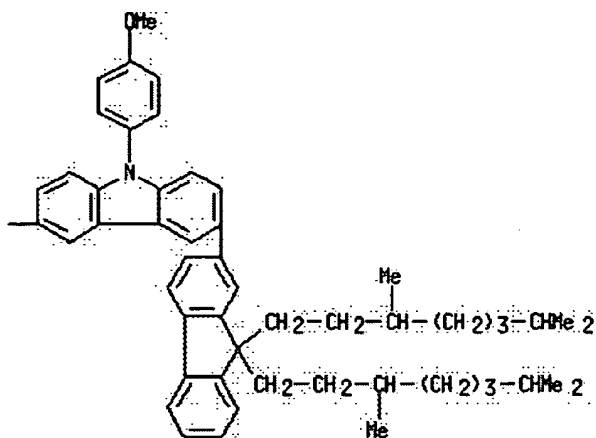


RN 746651-61-6 CA

CN 3,3'-Bi-9H-carbazole, 6,6'-bis[9,9-bis(3,7-dimethyloctyl)-9H-fluoren-2-yl]-9,9'-bis(4-methoxyphenyl)- (9CI) (CA INDEX NAME)

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L10 ANSWER 4 OF 18 CA COPYRIGHT 2005 ACS on STN

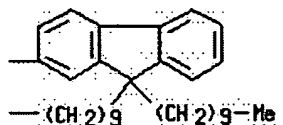
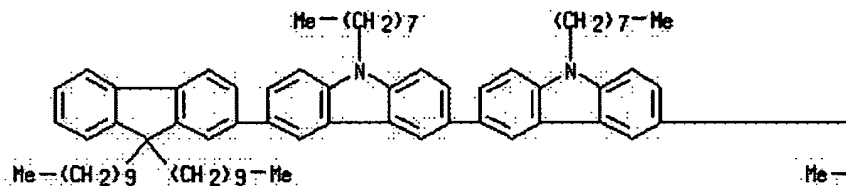
IT 726169-84-2

RL: PRP (Properties)

(tuning HOMO level without influencing triplet energy in small mols.
for carbazole compds. as host materials for triplet emitters in org.
light-emitting diodes)

RN 726169-84-2 CA

CN 3,3'-Bi-9H-carbazole, 6,6'-bis(9,9-didecyl-9H-fluoren-2-yl)-9,9'-dioctyl-
(9CI) (CA INDEX NAME)



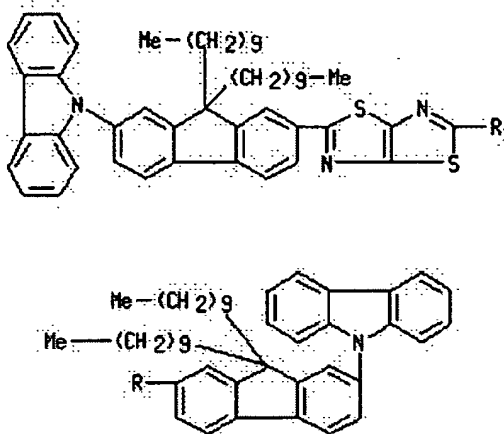
L10 ANSWER 5 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 685531-19-5P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material
use); PREP (Preparation); USES (Uses)
(chromophores with high two-photon absorptions)

RN 685531-19-5 CA

CN 9H-Carbazole, 9,9'-[thiazolo[5,4-d]thiazole-2,5-diylbis(9,9-didecyl-9H-
fluoren-7,2-diyl)]bis- (9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 18 CA COPYRIGHT 2005 ACS on STN

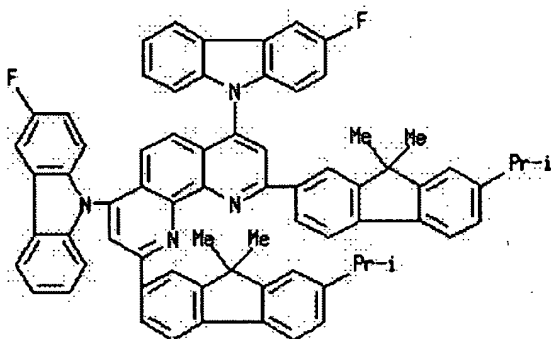
IT 676542-69-1

RL: DEV (Device component use); USES (Uses)

(phenanthroline derivs. and org. light-emitting devices using them)

RN 676542-69-1 CA

CN 1,10-Phenanthroline, 2,9-bis[9,9-dimethyl-7-(1-methylethyl)-9H-fluorene-2-yl]-4,7-bis(3-fluoro-9H-carbazol-9-yl)- (9CI) (CA INDEX NAME)



L10 ANSWER 7 OF 18 CA COPYRIGHT 2005 ACS on STN

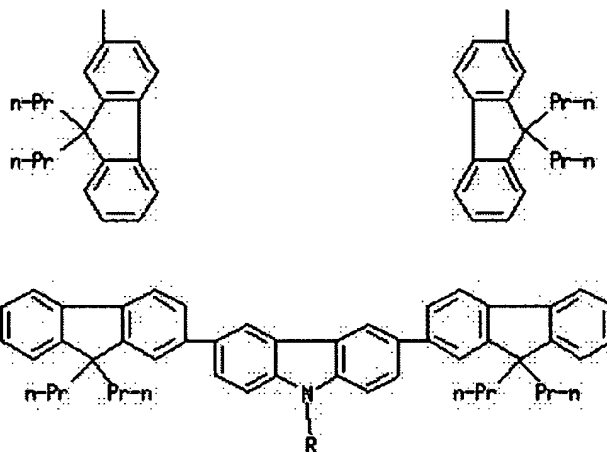
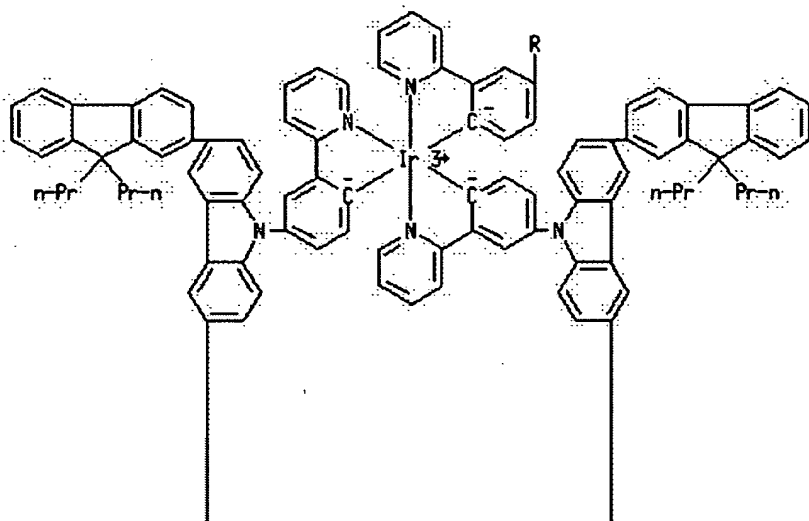
IT 676992-45-3P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(prepn. and uses of fluorene-contg. iridium dendrimers useful in photovoltaic device)

RN 676992-45-3 CA

CN Iridium, tris[4-[3,6-bis(9,9-dipropyl-9H-fluorene-2-yl)-9H-carbazol-9-yl]-2-(2-pyridinyl-κN)phenyl-κC]-, (OC-6-22)- (9CI) (CA INDEX NAME)



L10 ANSWER 8 OF 18 CA COPYRIGHT 2005 ACS on STN

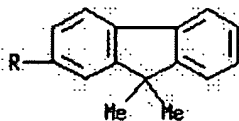
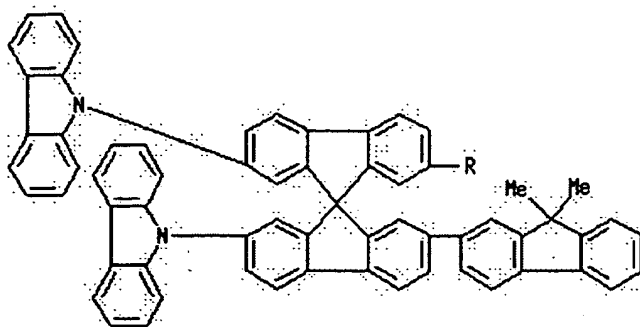
IT 669077-82-1 669078-07-3

RL: DEV (Device component use); TEM (Technical or engineered material use); USES (Uses)

(spirobifluorene dyes and org. electroluminescent devices using them)

RN 669077-82-1 CA

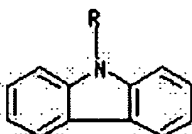
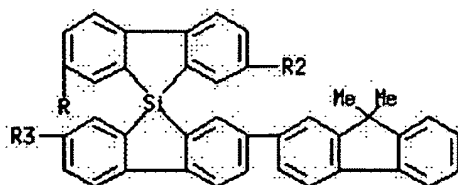
CN 9H-Carbazole, 9,9'-[7,7'-bis(9,9-dimethyl-9H-fluoren-2-yl)-9,9'-spirobi[9H-fluorene]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

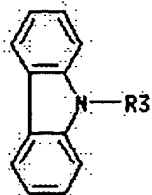
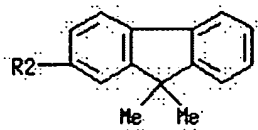


RN 669078-07-3 CA

CN 9H-Carbazole, 9,9'-[7,7'-(9,9-dimethyl-9H-fluoren-2-yl)-9,9'-spirobi[9H-9-silafluorene]-2,2'-diyl]bis- (9CI) (CA INDEX NAME)

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L10 ANSWER 9 OF 18 CA COPYRIGHT 2005 ACS on STN

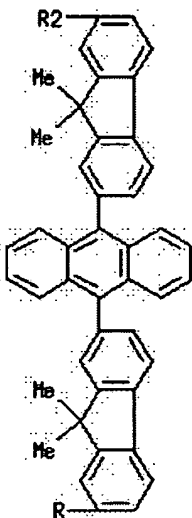
IT 522615-57-2

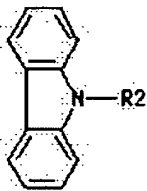
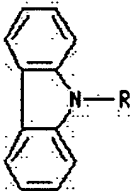
RL: DEV (Device component use); USES (Uses)

(org. electroluminescent device comprising coupled anthracene fluorene deriv. and with amino-substituted hydrocarbon)

RN 522615-57-2 CA

CN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dimethyl-9H-fluorene-7,2-diyl)]bis- (9CI) (CA INDEX NAME)





L10 ANSWER 10 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 522615-57-2P 522615-58-3P 522615-59-4P

522615-61-8P 522615-63-0P 522615-73-2P

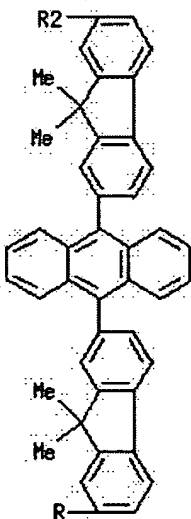
522615-74-3P 522615-85-6P 522615-93-6P

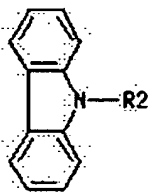
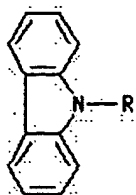
RL: DEV (Device component use); IMF (Industrial manufacture); PREP
(Preparation); USES (Uses)

(spirocyclic compds. contg. direct bond between anthracene and fluorene
rings for org. LED of high luminescent efficiency)

RN 522615-57-2 CA

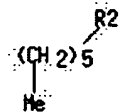
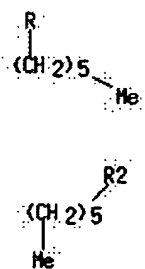
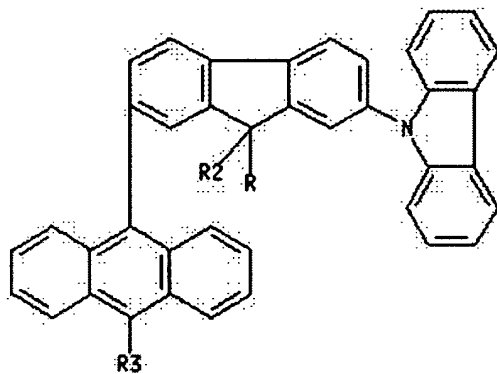
CN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dimethyl-9H-fluorene-7,2-
diyl)]bis- (9CI) (CA INDEX NAME)

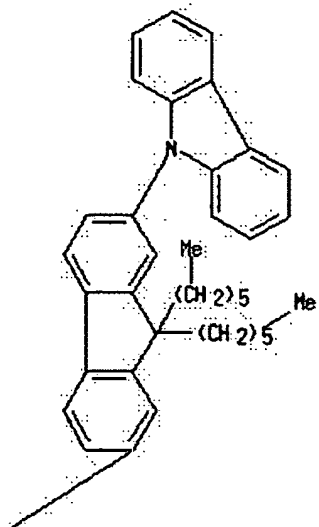




RN 522615-58-3 CA

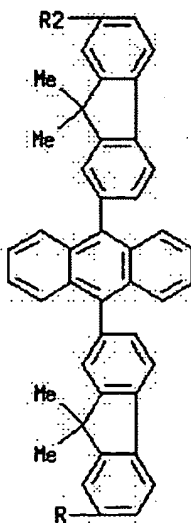
CN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dihexyl-9H-fluorene-7,2-diyl)]bis- (9CI) (CA INDEX NAME)



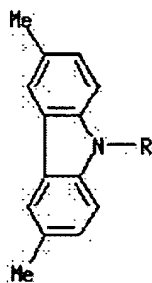


R3

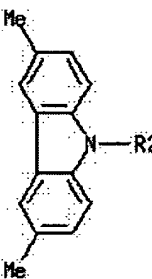
RN 522615-59-4 CA
 CN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-dimethyl-9H-fluorene-7,2-diyl)]bis[3,6-dimethyl- (9CI) (CA INDEX NAME)



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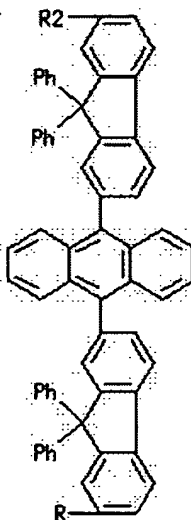
PAGE 3-A



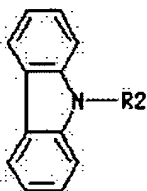
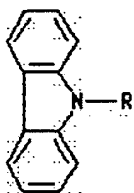
RN 522615-61-8 CA

CN 9H-Carbazole, 9,9'-[9,10-anthracenediylbis(9,9-diphenyl-9H-fluorene-7,2-diyl)]bis- (9CI) (CA INDEX NAME)

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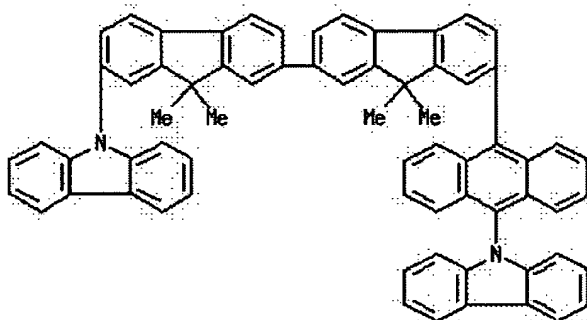


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RN 522615-63-0 CA

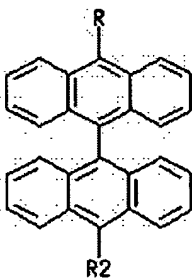
CN 9H-Carbazole, 9-[7'-[10-(9H-carbazol-9-yl)-9-anthracenyl]-9,9,9',9'-tetramethyl[2,2'-bi-9H-fluorene]-7-yl]- (9CI) (CA INDEX NAME)



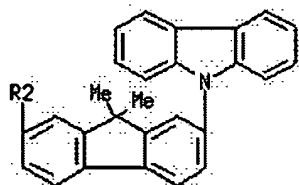
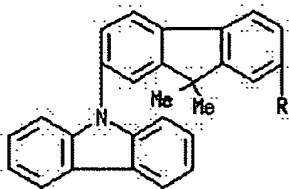
RN 522615-73-2 CA

CN 9H-Carbazole, 9,9'-[[9,9'-bianthracene]-10,10'-diylbis(9,9-dimethyl-9H-fluorene-7,2-diyl)]bis- (9CI) (CA INDEX NAME)

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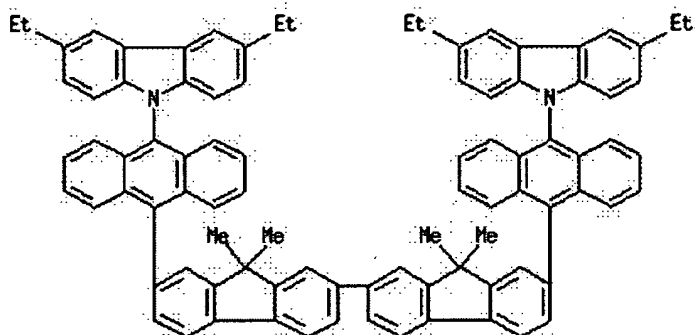


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RN 522615-74-3 CA

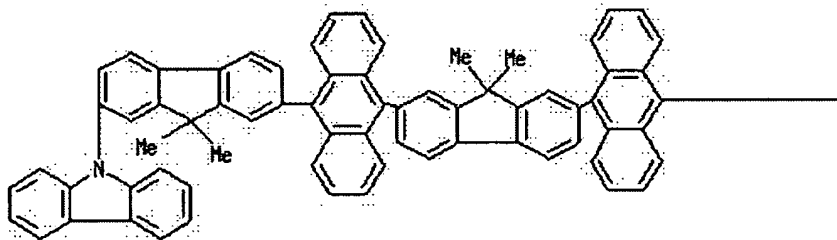
CN 9H-Carbazole, 9,9'-[(9,9,9',9'-tetramethyl[2,2'-bi-9H-fluorene]-7,7'-diyl)di-10,9-anthracenediyl]bis[3,6-diethyl- (9CI) (CA INDEX NAME)

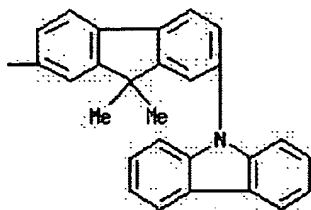


RN 522615-85-6 CA

CN 9H-Carbazole, 9,9'-[(9,9-dimethyl-9H-fluorene-2,7-diyl)bis[10,9-anthracenediyl(9,9-dimethyl-9H-fluorene-7,2-diyl)]]bis- (9CI) (CA INDEX NAME)

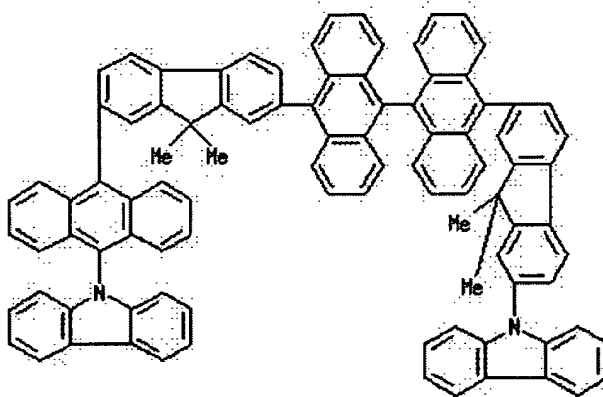
PAGE 1-A





RN 522615-93-6 CA

CN 9H-Carbazole, 9-[7-[10'-[7-[10-(9H-carbazol-9-yl)-9-anthracenyl]-9,9-dimethyl-9H-fluoren-2-yl][9,9'-bianthracen]-10-yl]-9,9-dimethyl-9H-fluoren-2-yl]- (9CI) (CA INDEX NAME)



L10 ANSWER 11 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 503543-01-9P 503543-02-0P

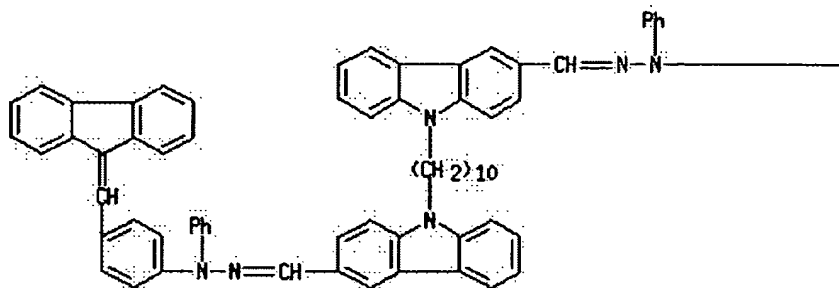
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)

(charge transport compd. for electrophotog. organo photoreceptors)

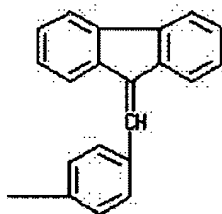
RN 503543-01-9 CA

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,10-decanediyl)bis-, bis[[4-(9H-fluoren-9-ylidenemethyl)phenyl]phenylhydrazone] (9CI) (CA INDEX NAME)

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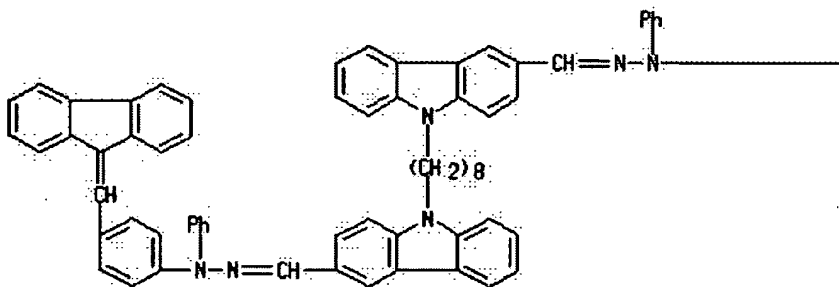
PAGE 1-B



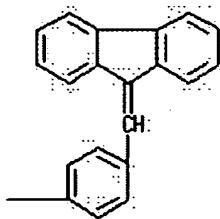
RN 503543-02-0 CA

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,8-octanediyl)bis-,
bis[[4-(9H-fluoren-9-ylidenemethyl)phenyl]phenylhydrazone] (9CI) (CA
INDEX NAME)

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L10 ANSWER 12 OF 18 CA COPYRIGHT 2005 ACS on STN

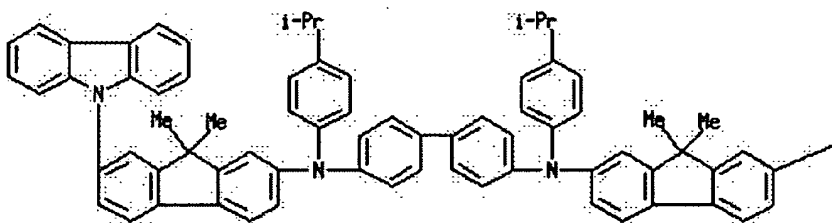
IT 354987-52-3P

RL: DEV (Device component use); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
 (amine compd. for org. electroluminescent device showing longer luminescent lifetime and excellent durability)

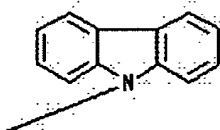
RN 354987-52-3 CA

CN [1,1'-Biphenyl]-4,4'-diamine, N,N'-bis[7-(9H-carbazol-9-yl)-9,9-dimethyl-9H-fluoren-2-yl]-N,N'-bis[4-(1-methylethyl)phenyl]- (9CI) (CA INDEX NAME)

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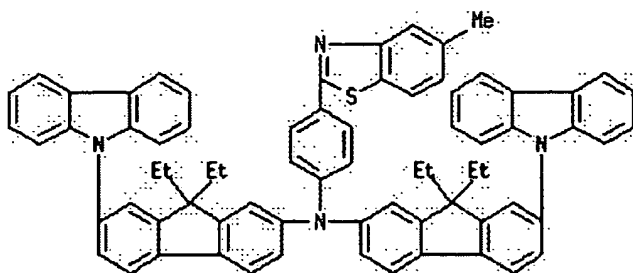
L10 ANSWER 13 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 334698-20-3P

RL: PRP (Properties); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
 (aryl amine contg. heterocyclic rings for org. electroluminescent device)

RN 334698-20-3 CA

CN 9H-Fluoren-2-amine, 7-(9H-carbazol-9-yl)-N-[7-(9H-carbazol-9-yl)-9,9-diethyl-9H-fluoren-2-yl]-9,9-diethyl-N-[4-(5-methyl-2-benzothiazolyl)phenyl]- (9CI) (CA INDEX NAME)



L10 ANSWER 14 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 132385-99-0 132386-56-2 132386-69-7

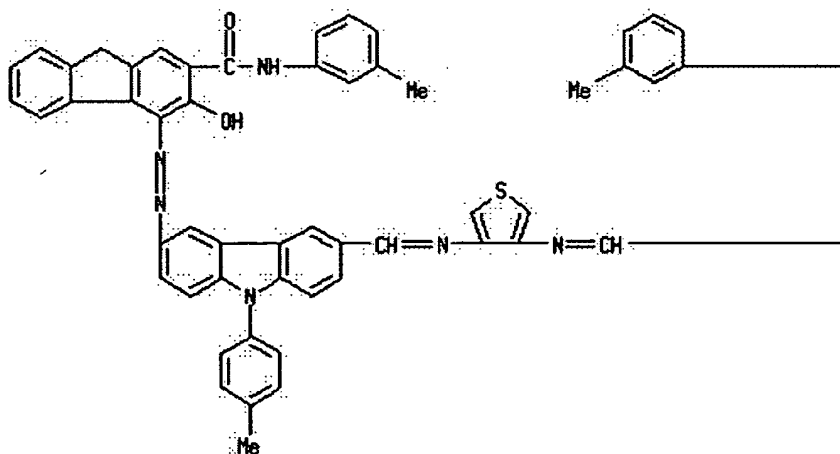
RL: USES (Uses)

(electrophotog. photoconductors contg.)

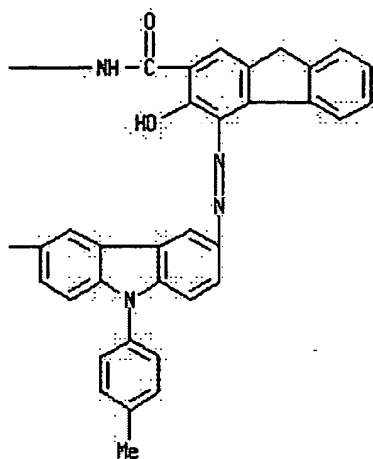
RN 132385-99-0 CA

CN 9H-Fluorene-2-carboxamide, 4,4'-[3,4-thiophenediylbis[nitrilomethylidyne [9-(4-methylphenyl)-9H-carbazole-6,3-diyl]azo]]bis[3-hydroxy-N-(3-methylphenyl)- (9CI) (CA INDEX NAME)

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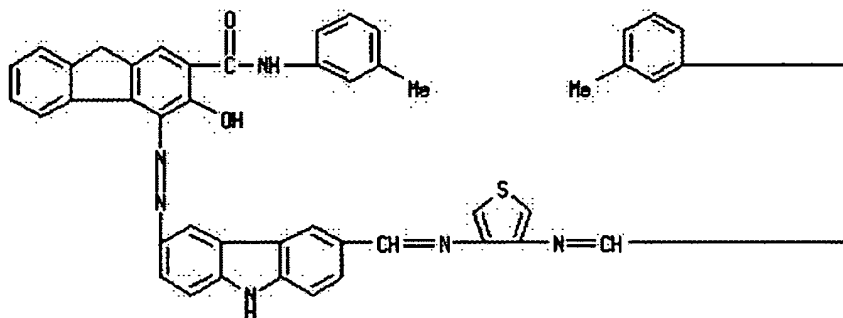
PAGE 1-B



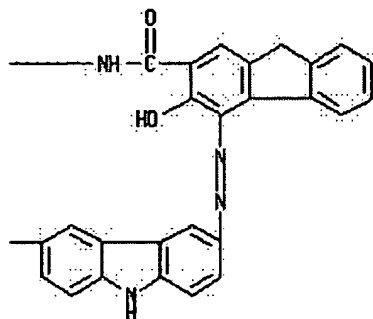
RN 132386-56-2 CA

CN 9H-Fluorene-2-carboxamide, 4,4'-[3,4-thiophenediylbis(nitrilomethylidyne-9H-carbazole-6,3-diylazo)]bis[3-hydroxy-N-(3-methylphenyl)- (9CI) (CA INDEX NAME)

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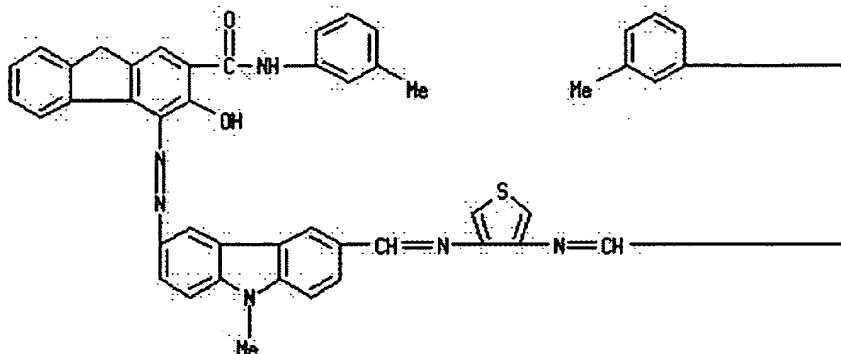


RN 132386-69-7 CA

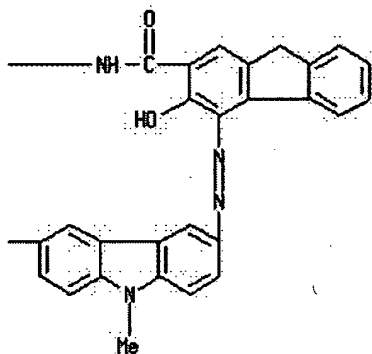
CN 9H-Fluorene-2-carboxamide, 4,4'-[3,4-thiophenediylbis(nitrilomethylidyne-9-

methyl-9H-carbazole-6,3-diyl)azo]]bis[3-hydroxy-N-(3-methylphenyl)- (9CI)
(CA INDEX NAME)

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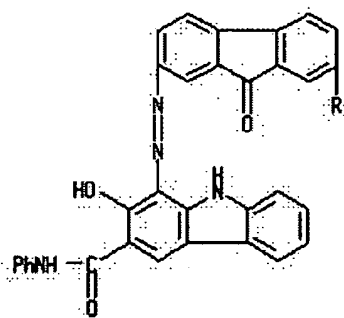
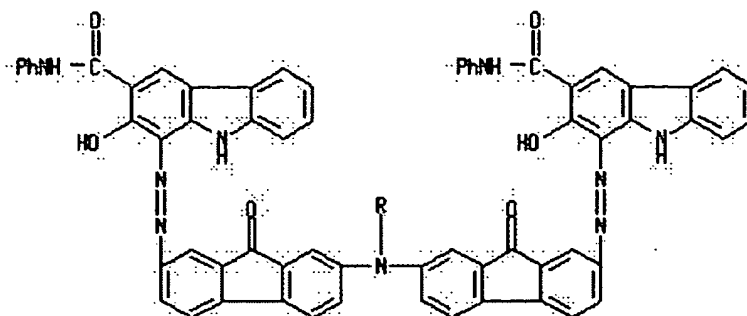


L10 ANSWER 15 OF 18 CA COPYRIGHT 2005 ACS on STN
IT 126358-77-8

RL: TEM (Technical or engineered material use); USES (Uses)
(charge-generating agent, for electrophotog. photoconductor, for
visible ray, with durability)

RN 126358-77-8 CA

CN 9H-Carbazole-3-carboxamide, 1,1',1''-[nitrilotris[(9-oxo-9H-fluorene-7,2-
diyl)azo]]tris[2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



L10 ANSWER 16 OF 18 CA COPYRIGHT 2005 ACS on STN

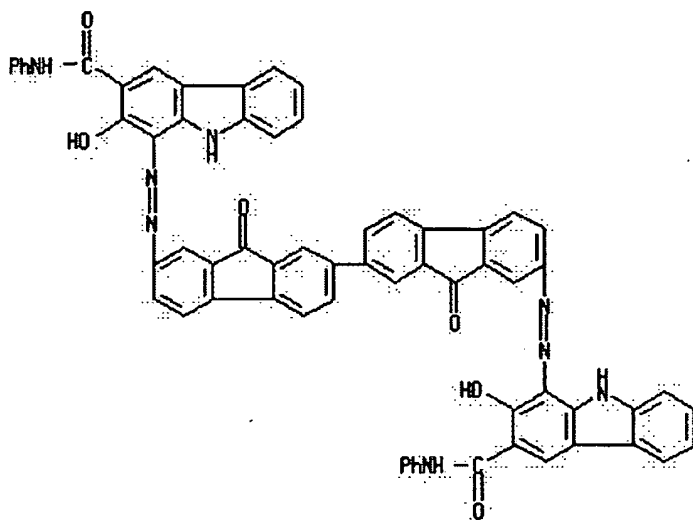
IT 118524-39-3

RL: USES (Uses)

(disazo pigment, electrophotog. photoreceptor contg.)

RN 118524-39-3 CA

CN 9H-Carbazole-3-carboxamide, 1,1'-[(9,9'-dioxo[2,2'-bi-9H-fluorene]-7,7'-diyl)bis(azo)]bis[2-hydroxy-N-phenyl- (9CI) (CA INDEX NAME)



L10 ANSWER 17 OF 18 CA COPYRIGHT 2005 ACS on STN

IT 116537-14-5

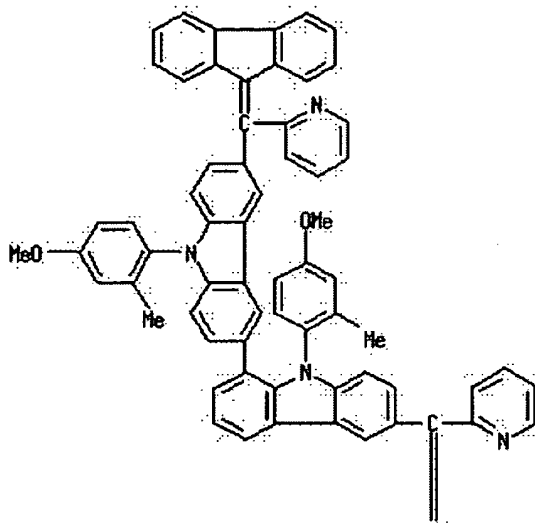
RL: USES (Uses)

(charge-transport substance, laminated electrophotog. photoreceptor contg.)

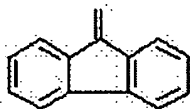
RN 116537-14-5 CA

CN 1,3'-Bi-9H-carbazole, 6,6'-bis(9H-fluoren-9-ylidene-2-pyridinylmethyl)-9,9'-bis(4-methoxy-2-methylphenyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



L10 ANSWER 18 OF 18 CA COPYRIGHT 2005 ACS on STN

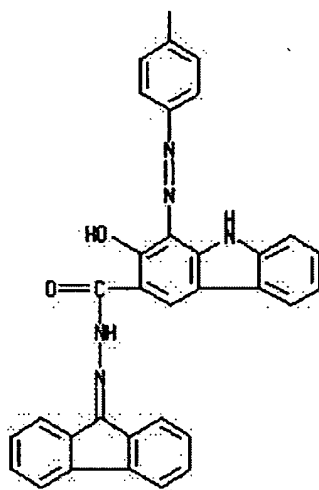
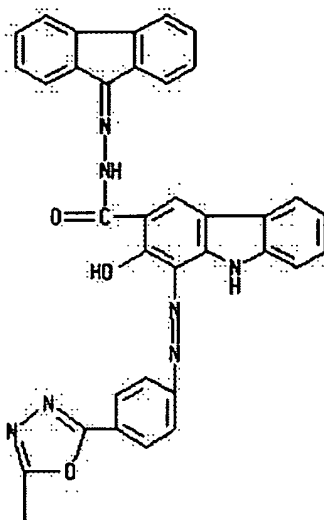
IT 100584-78-9

RL: TEM (Technical or engineered material use); USES (Uses)

(electrophotog. charge carrier-generating pigment)

RN 100584-78-9 CA

CN 9H-Carbazole-3-carboxylic acid, 1,1'-[1,3,4-oxadiazole-2,5-diylbis(4,1-phenyleneazo)]bis[2-hydroxy-, bis(9H-fluoren-9-ylidenehydrazide) (9CI) (CA INDEX NAME)



=> d fbib 11 14, fil uspatfull
 'FIL' IS NOT A VALID FORMAT FOR FILE 'CA'
 'USPATFULL' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

ABS ----- GI and AB
 ALL ----- BIB, AB, IND, RE
 APPS ----- AI, PRAI
 BIB ----- AN, plus Bibliographic Data and PI table (default)
 CAN ----- List of CA abstract numbers without answer numbers
 CBIB ----- AN, plus Compressed Bibliographic Data
 DALL ----- ALL, delimited (end of each field identified)
 DMAX ----- MAX, delimited for post-processing

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FAM ----- AN, PI and PRAI in table, plus Patent Family data
 FBIB ----- AN, BIB, plus Patent FAM
 IND ----- Indexing data
 IPC ----- International Patent Classifications
 MAX ----- ALL, plus Patent FAM, RE
 PATS ----- PI, SO
 SAM ----- CC, SX, TI, ST, IT
 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
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 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
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 ISTD ----- STD, indented with text labels

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 OIBIB ----- OBIB, indented with text labels

 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

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 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
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L10 ANSWER 11 OF 18 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 138:278348 CA
 TI Electrophotographic organo photoreceptors
 IN Kam, Law W.; Nusrallah, Jubran; Zbigniew, Tokarski
 PA Samsung Electronics Co. Ltd., S. Korea
 SO Eur. Pat. Appl., 29 pp.
 CODEN: EPXXDW
 DT Patent

STN Columbus

LA English

FAN.CNT 1

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STN Columbus

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 US 2001-330377P P 20011018
 US 2002-347051P P 20020108
 US 2002-256629 A3 20020927

OS MARPAT 138:278348

L10 ANSWER 14 OF 18 CA COPYRIGHT 2005 ACS on STN

Full Text

AN 114:111891 CA
 TI Electrophotographic photoconductors
 IN Kuroda, Masami; Hattori, Yoshimasa; Kosho, Noboru
 PA Fuji Electric Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 16 pp.
 CODEN: JKXXAF

DT Patent
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 02208659	A2	19900820	JP 1989-29232	19890208
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COST IN U.S. DOLLARS

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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 19 Apr 2005 (20050419/PD)

FILE LAST UPDATED: 19 Apr 2005 (20050419/ED)

HIGHEST GRANTED PATENT NUMBER: US6883176

HIGHEST APPLICATION PUBLICATION NUMBER: US2005081271

CA INDEXING IS CURRENT THROUGH 19 Apr 2005 (20050419/UPCA)

ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 19 Apr 2005 (20050419/PD)

REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2005

USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2005

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>>> applications.  USPAT2 contains full text of the latest US  <<<
>>> publications, starting in 2001, for the inventions covered in  <<<
>>> USPATFULL.  A USPATFULL record contains not only the original  <<<
>>> published document but also a list of any subsequent  <<<
>>> publications.  The publication number, patent kind code, and  <<<
>>> publication date for all the US publications for an invention  <<<
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>>> classifications, or claims, that may potentially change from  <<<
>>> the earliest to the latest publication.  <<<
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STN Columbus

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E US-20050069798/PN

FILE 'STNGUIDE' ENTERED AT 08:31:02 ON 19 APR 2005

FILE 'REGISTRY' ENTERED AT 08:33:13 ON 19 APR 2005

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E 86-73-7
L2 1 S E3
L3 3603 S 2 1839.22/RID
L4 5376 S 2 1839.6/RID
L5 4411 S >=2 1839.22/RID
L6 6677 S >=2 1839.6/RID
L7 37 S L5 AND L6
L8 34 S L7 NOT PMS/CI

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L11 ANSWER 1 OF 3 USPATFULL on STN

Full Text

AN 2005:68778 USPATFULL
TI Electrophotographic organophotoreceptors with novel charge transport materials
IN Law, Kam W., Woodbury, MN, UNITED STATES
Jubran, Nusrallah, St. Paul, MN, UNITED STATES
Tokarski, Zbigniew, Woodbury, MN, UNITED STATES
PA Samsung Electronics Co., Ltd. (U.S. corporation)
PI US 2005058917 A1 20050317
AI US 2004-982320 A1 20041104 (10)
RLI Division of Ser. No. US 2002-256629, filed on 27 Sep 2002, PENDING
PRAI US 2001-325714P 20010928 (60)
US 2001-325735P 20010928 (60)
US 2001-325717P 20010928 (60)
US 2001-325734P 20010928 (60)
US 2001-329275P 20011012 (60)
US 2001-329121P 20011012 (60)
US 2001-330377P 20011018 (60)
US 2002-347051P 20020108 (60)
DT Utility
FS APPLICATION
LREP Patterson, Thuente, Skaar Christensen, P.A., 4800 IDS Center, 80 South
8th Street, Minneapolis, MN, 55402-2100
CLMN Number of Claims: 13

ECL Exemplary Claim: 1

DRWN No Drawings

LN.CNT 1129

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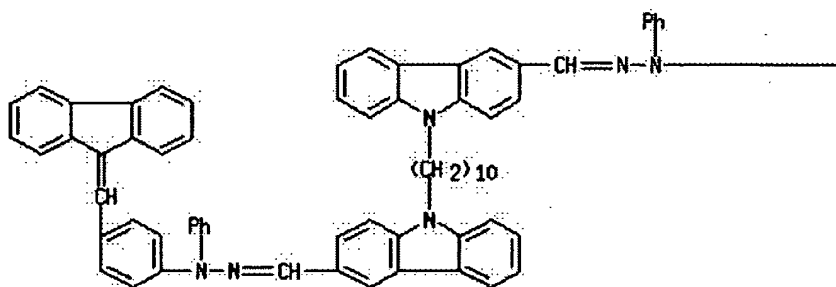
IT 503543-01-9P 503543-02-0P

(charge transport compd. for electrophotog. organo photoreceptors)

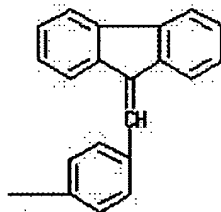
RN 503543-01-9 USPATFULL

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,10-decanediyl)bis-,
bis[[4-(9H-fluoren-9-ylidenemethyl)phenyl]phenylhydrazone] (9CI) (CA
INDEX NAME)

PAGE 1-A

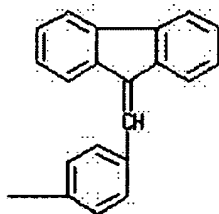
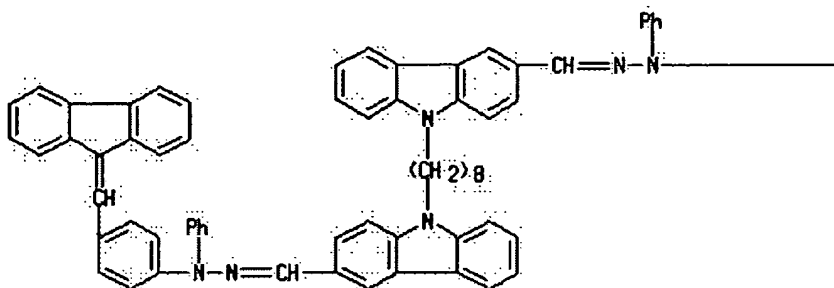


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RN 503543-02-0 USPATFULL

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,8-octanediyl)bis-,
bis[[4-(9H-fluoren-9-ylidenemethyl)phenyl]phenylhydrazone] (9CI) (CA
INDEX NAME)



L11 ANSWER 2 OF 3 USPATFULL on STN

Full Text

AN 2004:109985 USPATFULL

TI Two-photon responsive chromophores containing electron accepting core units

IN Kannan, Ramamurthi, Cincinnati, OH, United States

Tan, Loon-Seng, Centerville, OH, United States

Reinhardt, Bruce A., late of Tipp City, OH, United States deceased

Reinhardt, Erin D., Las Vegas, NV, United States legal representative

Reinhardt, Jason A., Las Vegas, NV, United States legal representative

Vaia, Richard A., Beavercreek, OH, United States

PA The United States of America as represented by the Secretary of the Air Force, Washington, DC, United States (U.S. government)

PI US 6730793 B1 20040504

AI US 2002-171566 20020613 (10)

DT Utility

FS GRANTED

EXNAM Primary Examiner: Gerstl, Robert

LREP Bricker, Charles E., Kundert, Thomas L.

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN 0 Drawing Figure(s); 0 Drawing Page(s)

LN.CNT 351

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT 685531-19-5P

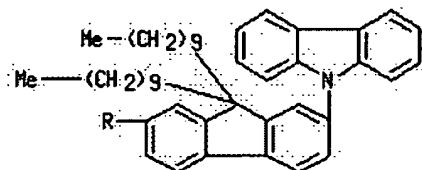
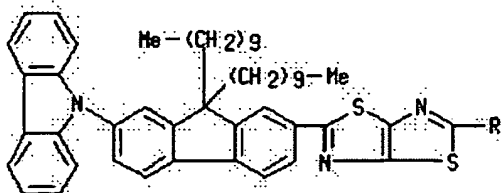
(chromophores with high two-photon absorptions)

RN 685531-19-5 USPATFULL

CN 9H-Carbazole, 9,9'-[thiazolo[5,4-d]thiazole-2,5-diylbis(9,9-didecyl-9H-

STN Columbus

fluoren-7,2-diyl]]bis- (9CI) (CA INDEX NAME)

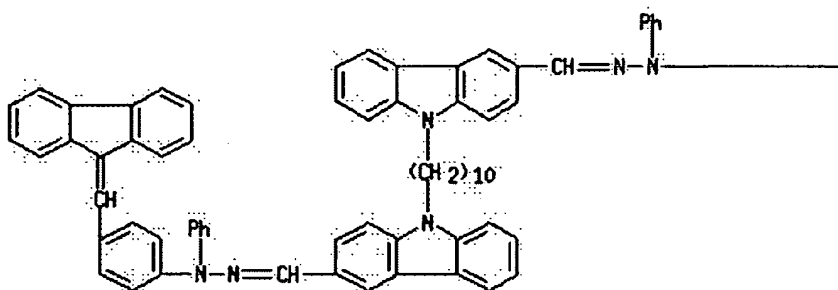


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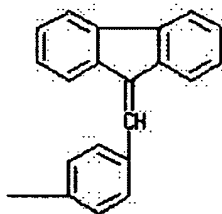
Full Text

AN 2003:165788 USPATFULL
 TI Electrophotographic organophotoreceptors with novel charge transport materials
 IN Law, Kam W., Woodbury, MN, UNITED STATES
 Jubran, Nusrallah, St. Paul, MN, UNITED STATES
 Tokarski, Zbigniew, Woodbury, MN, UNITED STATES
 PA SAMSUNG Electronics Co. Ltd. (U.S. corporation)
 PI US 2003113643 A1 20030619
 AI US 2002-256629 A1 20020927 (10)
 PRAI US 2001-325714P 20010928 (60)
 US 2001-325735P 20010928 (60)
 US 2001-325717P 20010928 (60)
 US 2001-325734P 20010928 (60)
 US 2001-329275P 20011012 (60)
 US 2001-329121P 20011012 (60)
 US 2001-330377P 20011018 (60)
 US 2002-347051P 20020108 (60)
 DT Utility
 FS APPLICATION
 LREP Mark A. Litman Associates, P.A., York Business Center, Suite 205, 3209 West 76th St., Edina, MN, 55435
 CLMN Number of Claims: 15
 ECL Exemplary Claim: 1
 DRWN No Drawings
 LN.CNT 1183
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.
 IT 503543-01-9P 503543-02-0P
 (charge transport compd. for electrophotog. organo photoreceptors)
 RN 503543-01-9 USPATFULL
 CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,10-decanediyl)bis-, bis[[4-(9H-fluoren-9-ylidenemethyl)phenyl]phenylhydrazone] (9CI) (CA INDEX NAME)

PAGE 1-A



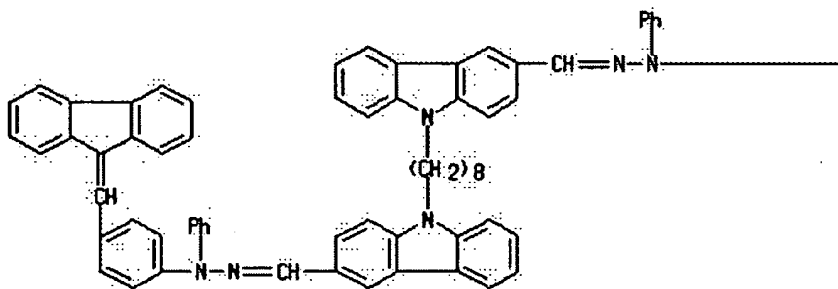
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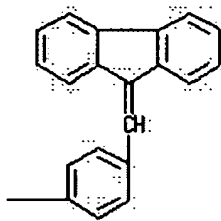


RN 503543-02-0 USPATFULL

CN 9H-Carbazole-3-carboxaldehyde, 9,9'-(1,8-octanediyl)bis-,
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INDEX NAME)

PAGE 1-A





=> fil stnguide

COST IN U.S. DOLLARS

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